SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
Product name: MIRASIL BALANCE

Additional identification:
CAS-No.: 142321-71-9

1.2 Relevant identified uses of the substance or mixture and uses advised against:
Identified uses: Preparation of speciality cosmetics.
Uses advised against:

1.3 Details of the supplier of the safety data sheet:
Manufacturer:
Bluestar Siliconas España S.A.
Calle Vic 3 Poligono Industrial La Florida
E-08130 Santa perpetua de Mogoda (Barcelona)
Telephone: +34 9 35 04 02 00
E-mail: fds.sil@bluestarsilicones.com

Supplier:
Bluestar Siliconas España S.A.
Calle Vic 3 Poligono Industrial La Florida
E-08130 Santa perpetua de Mogoda (Barcelona)
Telephone: +34 9 35 04 02 00

1.4 Emergency telephone number: + 33 (0) 4 72 73 74 04

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:
The product has not been classified as hazardous according to the legislation in force.

Hazard summary:
Physical Hazards: No specific recommendations.

Health Hazards:
Inhalation: No specific symptoms noted.
Eye contact: No specific symptoms noted.
Skin Contact: No specific symptoms noted.
Ingestion: No specific symptoms noted.
Other Health Effects: No other information noted.

Environmental hazards: Not regarded as dangerous for the environment.

2.2 Label Elements:
Safety data sheet available on request.
2.3 Other hazards:  
No data available.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances:

**General information:**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Concentration</th>
<th>CAS-No.</th>
<th>EC No.</th>
<th>REACH Registration No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexadecene</td>
<td>&gt;7 - &lt;10%</td>
<td>26952-14-7</td>
<td>248-131-4</td>
<td>4248-131-4</td>
<td></td>
</tr>
</tbody>
</table>

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

**Classification:**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexadecene</td>
<td>Asp. Tox. 1; H304</td>
<td></td>
</tr>
</tbody>
</table>

DSD: Directive 67/548/EEC.


The full text for all R-phrases and H-statements is displayed in section 16.

### SECTION 4: First aid measures

**General:**  
Contaminated clothing to be placed in closed container until disposal or decontamination.

#### 4.1 Description of first aid measures:

**Inhalation:**  
Move into fresh air and keep at rest. Get medical attention if symptoms persist.

**Eye contact:**  
Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Take along these instructions. Get medical attention if symptoms persist.

**Skin Contact:**  
Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms occur.

**Ingestion:**  
Rinse mouth thoroughly. Do not induce vomiting. Get medical attention if symptoms occur.

#### 4.2 Most important symptoms and effects, both acute and delayed:

No data available.

#### 4.3 Indication of any immediate medical attention and special treatment needed:

**Hazards:**  
No data available.

**Treatment:**  
No data available.
SECTION 5: Firefighting measures

General Fire Hazards: No specific recommendations.

5.1 Extinguishing media:
   Suitable extinguishing media: Extinguish with foam, carbon dioxide or dry powder.
   Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture: None known.

5.3 Advice for firefighters:
   Special fire fighting procedures: Water spray should be used to cool containers.
   Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

6.2 Environmental Precautions: Do not discharge into drains, water courses or onto the ground. Collect spillage. For a large spillage, contain the spillage by bunding.

6.3 Methods and material for containment and cleaning up: Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf.: § 9) Flush area with plenty of water. Incinerate in suitable combustion chamber.

Notification Procedures: Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling: Use only in well-ventilated areas. Avoid forming spray/aerosol mists. Use spark-proof tools and explosion-proof equipment. Static electricity and formation of sparks must be prevented. Eliminate all sources of ignition. DO NOT SMOKE IN WORK AREA! See Section 8 of the SDS for Personal Protective Equipment.

7.2 Conditions for safe storage, including any incompatibilities: Avoid discharge into drains, water courses or onto the ground. Keep in a cool, ventilated location far from heat source and flame. Keep from contact with oxidizing materials. Keep away from heat. Keep container in a well-ventilated place. Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3 Specific end use(s): No data available.
SECTION 8: Exposure controls/personal protection

8.1 Control Parameters:

Occupational Exposure Limits:
None of the components have assigned exposure limits.

8.2 Exposure controls:

Appropriate engineering controls:
No specific recommendations. Provide adequate ventilation.

Individual protection measures, such as personal protective equipment:

General information:
No specific precautions. Provide sufficient ventilation during operations which cause vapor formation.

Eye/face protection:
Safety Glasses Wear approved safety goggles.

Skin protection:
Hand Protection:
Use protective gloves made of: Nitrile. Polyvinyl chloride (PVC). Chemical resistant gloves

Other:
It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing. It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing.

Respiratory Protection:
If ventilation is insufficient, suitable respiratory protection must be provided.

Hygiene measures:
Provide eyewash station and safety shower. Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Environmental Controls:
No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:
Physical state: Liquid
Form: Viscous
Color: Colourless to yellow.
Odor: Faint
Odor Threshold: No data available.
pH: not applicable
Freezing point: No data available.
Boiling Point: No data available.
Flash Point: > 105 °C (ISO 2719 (Pensky-Martens (A and B Closed Cup)))
Evaporation Rate: No data available.
Flammability (solid, gas): No data available.
Flammability Limit - Upper (%): No data available.
Flammability Limit - Lower (%): No data available.
Vapor pressure: No data available.
Vapor density (air=1): No data available.
Relative density: Approximate 0.945 (20 °C) Approximate
Solubility(ies):
Solubility in Water: Insoluble
Solubility (other): No data available.
Partition coefficient (n-octanol/water): No data available.
Autoignition Temperature: No data available.
Decomposition Temperature: No data available.
Viscosity: Approximate 900 mm²/s (20 °C)
Explosive properties: No data available.
Oxidizing properties: According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

SECTION 10: Stability and reactivity

10.1 Reactivity: No other information noted.
10.2 Chemical Stability: Stable.
10.3 Possibility of Hazardous Reactions: No data available.
10.4 Conditions to Avoid: No other information noted.
10.5 Incompatible Materials: Strong oxidizing agents.
10.6 Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica.

SECTION 11: Toxicological information

Information on likely routes of exposure
Inhalation: No data available.
Ingestion: No data available.
Skin Contact: No data available.
Eye contact: No data available.

11.1 Information on toxicological effects:

Acute toxicity:
Oral:
Product: LD 50 (Rat): > 2 000 mg/kg Results obtained on a similar product.

Dermal:
Product: No data available.

Inhalation:
Product: No data available.

Repeated dose toxicity:
Product: No data available.
Skin Corrosion/Irritation:
Product: Prolonged or repeated contact may cause irritation.

Serious Eye Damage/Eye Irritation:
Product: Prolonged or repeated contact: May irritate eyes.

Respiratory or Skin Sensitization:
Product: None known.

Germ Cell Mutagenicity:
In vitro:
Product: No data available.

In vivo:
Product: No data available.

Carcinogenicity:
Product: No data available.

Reproductive toxicity:
Product: No data available.

Reproductive toxicity (Fertility):
Product: No data available.

Developmental toxicity (Teratogenicity):
Product: No data available.

Specific Target Organ Toxicity - Single Exposure:
Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure:
Product: No data available.

Aspiration Hazard:
Product: No data available.

Other Adverse Effects:
SECTION 12: Ecological information

12.1 Toxicity:

Acute toxicity:
- Fish: No data available.
- Aquatic Invertebrates: No data available.

Chronic Toxicity:
- Fish: No data available.
- Aquatic Invertebrates: No data available.

Toxicity to Aquatic Plants: No data available.

12.2 Persistence and Degradability:

Biodegradation: No data available.

BOD/COD Ratio: No data available.

12.3 Bioaccumulative Potential: No data available.

12.4 Mobility in Soil: This material has low solubility and floats and is not expected to partition to water.

12.5 Results of PBT and vPvB assessment: Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

12.6 Other Adverse Effects: This material has low solubility and floats and is not expected to partition to water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

General information: The user’s attention is drawn to the possible existence of local regulations regarding disposal.
Disposal methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate.

Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.

SECTION 14: Transport information

This material is not subject to transport regulations.

Other information: No special precautions.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.: National Regulations:

15.2 Chemical safety assessment: No data available.

SECTION 16: Other information

Revision Information: Not relevant.

Key abbreviations or acronyms used: No data available.

Key literature references and sources for data: No data available.

Wording of the R-phrases and H-statements in section 2 and 3:

- H304 May be fatal if swallowed and enters airways.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.

Training information: No data available.

Inventory Status

- EINECS, ELINCS or NLP: On or in compliance with the inventory.
- Australia AICS: Not in compliance with the inventory.
- Canada DSL Inventory List: Not in compliance with the inventory.
- Japan (ENCS) List: Not in compliance with the inventory.
- China Inv. Existing Chemical Substances: On or in compliance with the inventory.
- Korea Existing Chemicals Inv. (KECI): Not in compliance with the inventory.
- Philippines PICCS: Not in compliance with the inventory.
- US TSCA Inventory: On or in compliance with the inventory.
- New Zealand Inventory of Chemicals: Not in compliance with the inventory.

Issue Date: 18.03.2016
SDS No.: 8/9
**Disclaimer:**

The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.